



Ovation™ Series Relay Kit

Installation, Operating and Maintenance Instructions

Model: ATSRK



NOTE TO INSTALLER: Please leave this manual with the customer for future reference.

MODEL NUMBER _____

DATE OF INSTALLATION _____ DEALER NAME/PHONE _____

Please note your model number here for future reference.

WARNING

OVATION™ Series Automatic Transfer Switches and Relay Kits should NOT be used for Emergency Systems (See NEC Articles 517 and 700), nor as a Legally Required System (see NEC Article 701), nor for primary power in place of the electric utility or in life support applications.

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SAFETY PRECAUTION DEFINITIONS:

CAUTION

This symbol refers to a hazard or unsafe practice that can result in personal injury or product or property damage.

WARNING

This symbol refers to a hazard or unsafe practice that can result in severe personal injury or death.

DANGER

This symbol warns of immediate hazards that will result in severe personal injury, death or property damage.

CAUTION

PLEASE READ THIS MANUAL IN ITS ENTIRETY BEFORE ATTEMPTING TO UNPACK, ASSEMBLE, INSTALL, OPERATE OR MAINTAIN THIS EQUIPMENT. HAZARDOUS VOLTAGES ARE PRESENT INSIDE RELAY ENCLOSURES THAT CAN CAUSE DEATH OR SEVERE PERSONAL INJURY. FOLLOW PROPER INSTALLATION, OPERATION AND MAINTENANCE PROCEDURES TO AVOID THESE VOLTAGES.

WARNING

RELAY EQUIPMENT COVERED BY THIS DOCUMENT IS DESIGNED AND TESTED TO OPERATE WITHIN ITS NAMEPLATE RATINGS. OPERATION OUTSIDE OF THESE RATINGS MAY CAUSE THE EQUIPMENT TO FAIL RESULTING IN DEATH, SERIOUS BODILY INJURY AND/OR PROPERTY DAMAGE. ALL RESPONSIBLE PERSONNEL SHOULD LOCATE THE DOOR-MOUNTED EQUIPMENT NAMEPLATE AND BE FAMILIAR WITH THE INFORMATION PROVIDED THEREIN.

WARNING

High voltage in relay panel components presents serious shock hazards that can result in severe personal injury or death. Read and follow all directions before installation and use.

DANGER

Keep the relay panel closed during operation. Make sure only authorized personnel have access to the cabinet. Due to the serious shock hazard from high voltages within the cabinet, all service and adjustments to the relay panel must be performed by an electrician or authorized service personnel. All possible contingencies which may arise during installation, operation or maintenance, and all details and variations of this equipment do not purport to be covered by these instructions. If further information is desired by purchaser regarding his particular installation, operation or maintenance of particular equipment, contact Gen/Tran Corporation.

SECTION 1 - INTRODUCTION

The Ovation™ Relay Kit, installed as an option with an Ovation™ Automatic Transfer Switch, ensures proper generator control by the Ovation™ Automatic Transfer Switch. When utility power is interrupted, the Ovation™ Relay Kit provides proper signaling between the Ovation™ Automatic Transfer Switch and the generator to start and run and when utility power is restored, to shut down the generator.

SECTION 2 – GENERATORS REQUIRING THE RELAY KIT

At the time of publication, when connecting an Ovation™ Automatic Transfer Switch to the following generators, an Ovation™ Relay Kit is required:

Briggs & Stratton/Eaton®: 040204, 040210-13, 040226-29, 040234, 040265, 040273, 040275-77, 040297, CHGEN12000, CHGEN15000, EGEN20

Cummins/Onan®: RS20000 and RS30000 Series

Generac®: Air cooled: 05240-44, 05280-84, 055526, 05528, 05530, 05532, 05533, Liquid cooled: QT02224, QT02516, QT02524, QT02724, QT03016, QT03542, QT03624, QT04524, QT04542, QT04842

Honda® Portables: EM38000SWX, EM5000SXK2, EM6500SXK1, EM5000is, EM7000is, EU6500is

Kohler®: 8.5RES, 12RES, 15RES, 17RES, 18RES, 30RES

Pramac: PowerStation® P1103, P1204

Please visit http://www.gen-tran.com/content/support/installation_instructions.asp for a current generator list requiring the relay kit and wiring diagrams. Attached are wiring diagrams to connect the above generators. Other generators may require the Ovation™ Relay Kit; please verify your model number and wiring diagrams BEFORE beginning transfer switch, generator and relay kit installation.

SECTION 3 – INSTALLATION AND WIRING

WARNING

Disconnect all utility and generator power sources to transfer switch BEFORE beginning installation.

WARNING

This device should be installed in accordance with all local codes, standards and regulations and the latest edition of the National Electrical Code®.

1. Mount the relay kit on the right or left inside sidewall of the Ovation™ Automatic Transfer Switch enclosure with the provided 6-32x.5 self-tapping screws.
2. Referring to the wiring diagram for your generator, complete wiring as shown using minimum 18AWG, 300V listed wire. For installer convenience, the relay has been pre-wired for connection to the J6 plug (PIN 1 and 3) on the Ovation™ Automatic Transfer Switch control module. Connection to the Ovation™ Automatic Transfer Switch 120/240VAC fuse block has also been pre-wired, but is not always required. .25" quick-connect are also provided. After wiring is complete, remove and discard all unused parts.

SECTION 4 – TESTING

1. Complete the Ovation™ Automatic Transfer Switch and generator installation. Verify all wiring and connections.
2. Verify the generator battery charger is operating. The voltage on J6, Pin 1 and 2 should be 13.3VDC minimum.
3. Press GENERATOR START/STOP on the transfer switch control module. The generator should start. Press GENERATOR START/STOP again, the generator should stop. Installation is complete.

SECTION 5 – TROUBLESHOOTING

Refer to the TROUBLESHOOTING section in the Ovation™ Automatic Transfer Switch Installation Manual.

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